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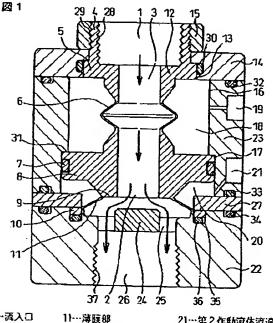
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TITLE

AUTOMATIC VALVE



21…第2作助流体资通口 …流出口 12…周状部材 22…弁庭体 13…段差部 直線流路 23…本体 14… 蓋体 24…井座 15…キャップナット 25…流路 16…収容部 26…流出閉口 -ル材 17---段弄部 27--支持体 大径跨部 18…第 1 環状空間 35--- 嵌合溝 19--第1作動流体流通口

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an automatic valve requiring no wide piping space, and having a compact whole body, a high Cv value, and no liquid sump.

SOLUTION: This automatic valve is provided with a cylinder member 12 which is formed with a linear passage 3 having an inlet 1 and outlet 2 in its inside, and integrally formed with a threaded engagement part 4 having a nut 15 in the axial direction of the passage in the outer circumference, a small-diameter flange 5, a bellows 6, and a large-diameter flange 8, a valve element 9 formed in the circumferential edge of the outlet 2, and a thin film part 11 having a fitting projection 10 in its circumferential edge; a lid body 14 having a stepped part 13 for fitting the small-diameter flange 5; a body 23 which has a first annular space 18 fixed to the lid body 14 and storing the bellows 6, a first operating fluid flowing port 19 communicated with the annular space 18, a second annular space 20 formed of the large-diameter flange 8 and the thin film 11, and a second operating fluid flowing port 21 connected to the annular space 20; and a valve seat body 22 clamping the fitting projection 10 of the thin film 11 together with the body 23 and having a projecting valve seat 24 in the center, a plurality of passages 25, and an outlet 26.

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